



SPCB SIKKIM NEWSLETTER



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SPCB Sikkim conducts “Hands-on Workshop for School Eco-clubs on Sustainable Lifestyle skilling on SUP Alternatives”



sustainable lifestyle hands-on workshop on skilling in preparing eco-friendly alternatives for single use plastics. The workshop was held at Sidkeong Tulku Forest Conference Hall, Deorali, Gangtok on 8th and 11th of March wherein 100 students and eco-club green teachers of schools in and around Gangtok participated. The programme was conducted as a part of Mission LiFE - Lifestyle for Environment campaign (2022-2028) sponsored by the Ministry of Environment, Forest and Climate Change. The inaugural session of the event held on the forenoon of March 8 also witnessed the observance of International Women's Day. The workshop primarily focused on providing hands-on skilling on preparing decorative from natural resources such as leaves, flowers, bamboo, plant twigs, and also demonstrated plastic waste upcycling in the process for making various useful handicrafts. The event aimed to promote eco-friendly lifestyle by eliminating the use of Single-Use Plastics as decorative which are most common during functions such as birthdays, marriages etc. The resource experts led by Ana Lama and team from Sikkim Blossoms, a voluntary organization based in Gangtok conducted the sessions in which the participants showed great enthusiasm. Participating schools showing best products as outcome of the training were also rewarded with eco-friendly bamboo handicrafts as gifts. The workshop had the presence of Member Secretary Dr. Gopal Pradhan, Joint Director Smt Kusum Gurung, Principal Chief Scientific Officer Shri B K Chettri, DFO (NTFP/ SPCB) Ms Yangchen Bhutia, Sr. Scientific Officer Ms Kunzang Z. Bhutia and Sr. Programme Officer (ENVIS) Shri Rajen Pradhan as other facilitators and speakers.

State Pollution Control Board (SPCB) - Sikkim in partnership with Sikkim EACP Hub of Forest and Environment Department, Government of Sikkim organized a two-day long sustainable lifestyle hands-on workshop on skilling in preparing eco-friendly alternatives for single use plastics. The workshop was held at Sidkeong Tulku Forest Conference Hall, Deorali, Gangtok on 8th and 11th of March wherein 100 students and eco-club green teachers of schools in and around Gangtok participated. The programme was conducted as a part of Mission LiFE State Pollution Control Board (SPCB) - Sikkim in partnership with Sikkim EACP Hub of Forest and Environment Department, Government of Sikkim organized a two-day long

Highlights



Awareness programmes



Centrally sponsored training programmes



Departmental/inter-departmental meetings



Workshops for Eco-Clubs



Air quality/ Water quality

DAY 1



DAY 2



The Two-Day Sustainable Lifestyle Hands-on Workshop with the theme of 'Reduce Waste' and 'SUP Alternatives' has come to a successful conclusion. The final day of the workshop focused on educating 50 students and eco-club green teachers from various schools including Burtuk SS, TNSSS, Syari SS, Deorali Girls SSS, and CM Rai Arithang SS on how to create eco-friendly alternatives to single-use plastics.

During the workshop, the participants engaged in hands-on activities where they were taught how to make decorative items using natural resources such as leaves, flowers, bamboo, plant twigs, and even plastic waste. Two schools, Burtuk SS and Deorali Girls SSS, were recognized for producing the best products as a result of the training and were rewarded with eco-friendly bamboo handicrafts. The students showed great enthusiasm and dedication throughout the workshop, demonstrating their commitment to embracing sustainable practices and reducing waste in their daily lives. The workshop was not only educational but also fun, providing a valuable learning experience for all those involved. The success of this workshop highlights the importance of promoting sustainable living practices and encouraging individuals to make environmentally conscious choices.

SPCB CONDUCTS AWARENESS PROGRAMME ON WASTE MANAGEMENT



The State Pollution Control Board of Sikkim is truly commendable for their proactive initiative to educate and raise awareness about pollution and waste management rules. They have taken significant steps by organizing educational programs that target various segments of society, including healthcare operators, students, and the general public. This approach is crucial in addressing pressing environmental issues and promoting sustainable practices.

One of the key focuses of the Board is on the Bio-Medical Waste Management Rules and the Solid Waste Management Rules of 2016. This highlights the importance of proper waste disposal practices, especially in healthcare settings where bio-medical waste can pose serious health and environmental risks if not managed correctly. Additionally, their emphasis on reducing single-use plastics underscores the need for sustainable practices to minimize plastic pollution, which is a significant global environmental concern. An effective way the Board engages with the community is by providing school students with the opportunity to visit the Martam Sanitary Landfill site. This hands-on experience allows young minds to witness the environmental impacts of improper waste disposal firsthand, fostering a sense of responsibility towards sustainable waste management practices among the younger generation.

Overall, the State Pollution Control Board of Sikkim's commitment to community education and pollution abatement demonstrates their dedication to creating a cleaner and healthier environment. By

empowering individuals with knowledge and practical experiences, they are paving the way for positive behavioral changes and collective action towards environmental sustainability. These initiatives are essential in shaping a more environmentally conscious and responsible society.

The Board's proactive approach to pollution abatement through educational programs and site visits exemplifies effective environmental governance. By educating and engaging stakeholders at multiple levels, they contribute to building a more environmentally aware and responsible society. These initiatives not only enhance compliance with regulations but also inspire positive behavioral changes that promote a cleaner, healthier environment for present and future generations.



TRAINING PROGRAMME ON “ADVANCED INSTRUMENTS ANALYTICAL TECHNIQUES AND ANALYSIS OF METAL AND PESTICIDES IN WATER SAMPLES” AT NIT, TRICHY TAMIL NADU



The State Pollution Control Board-Sikkim received an invitation from NIT, Trichy to attend a three days long CPCB sponsored residential training on Advanced Instruments Analytical Techniques and analysis of Metal and Pesticides in water samples to be held at National Institution of Technology, Trichy Tamil Nadu from 18th -20th of January 2024. The board nominated Mr. Gaychung Lepcha (JSA) and Durga Pd. Sharma (LA) to attend the training. The two officials from the board left to attain the training on 14th January from Gangtok via NJP railway station and reached NIT, Trichy in early morning of 18th January. After successfully attending the training the officials started their return journey on 21st January via Egmore railway station, Tamil Nadu-NJP Siliguri and reached Gangtok on 25th of January 2024.

The three days training started with the inauguration function followed by classroom presentation by various speakers on the topic “Advanced instruments Analytical Techniques and analysis of Metal and Pesticides in water samples”. Hands on analysis of ion-exchange chromatography, FTIR, AAS, UV visible spectroscopy, DSC-TGA, GC-MS, high pressure reactor and Micro wave reactor. A day long factory visit was also included in the training programme where participants were taken for a visit to Tamil Nadu newspaper and Paper Limited Unit-2 at trichy and TMT iron bar manufacturing unit at Tiruchirapalli, Tamil Nadu. The training programme ended with the certificate distribution on 21st January 2024.

“ONSITE TRAINING PROGRAMME “CONTINUOUS EMISSION AND EFFLUENT MONITORING SYSTEM” SPONSORED BY THE CENTRE FOR SCIENCE AND ENVIRONMENT AT AAETI, ALWAR, RAJASTHAN SCHEDULED TO BE HELD ON 12TH -15TH DECEMBER, 2023.”



Training for 5 days at CPCB-Delhi was attended by three representatives from SPCB-Sikkim from dated 20th Feb 2023 to 24th Feb 2023. The training aimed to enhance our understanding more on Air Quality Parameters viz PM10, SO2 & NO2 a brief idea about stack monitoring was also given . Further field visits were also conducted in different locations where air quality was being monitored.

Meeting with Hydro Electricity Projects



Meeting with UDD regarding Solid Waste Management



Meeting with brand owners regarding Extended Producer Responsibility



118th Central Monitoring Committee meeting held on 11th January 2024



Meeting with Health Department



VC Meeting with Science & Technology Department for Biomethanation Plant

18th Board Meeting of SPCB-Sikkim was presided over by Secretary, Forest and Environment Department on November 22nd 2023 at Conference Hall of SPCB-Sikkim. Various administrative and accounts related agendas were deliberated upon in the meeting. It was also decided to include Secretary, Commerce and Industries Department as one of the Board members. Similarly, it was decided to invite all the six Up-Adhakshyas in the next Board meeting.



Release of SAPCAR (State Action Plan on Containment of Anti Microbial Resistance)



The site inspection of the project (M/S Teesta Urja Limited) was conducted by Dr. Shahida P.Quazi Scientist 'E' Sub-Office Kolkota MoEF&CC on 16/01/24 and 17/01/24 for factual status report with regard to O.A. No. 171 of 2023 titled as Re: New Item appeared in East Mojo on 05/10/2023 titled "Sikkim". Here,s why the Chungthang Hydro dam breach is a "BIG DEAL" before the Hon'ble National Green Tribunal, Kolkota.



NABL training and internal audit

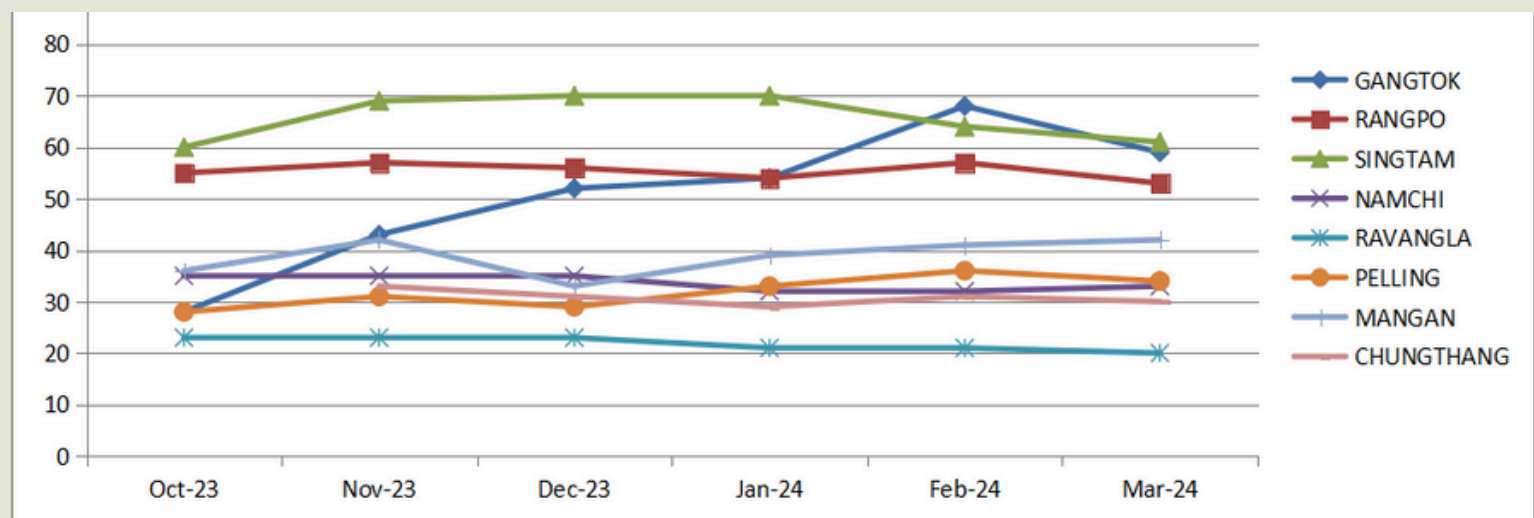


Flashflood relief contribution from SPCB

Monthly AQI of Sikkim Recorded from Eight Air Quality Monitoring Stations of Sikkim: April 2022 - September 2022

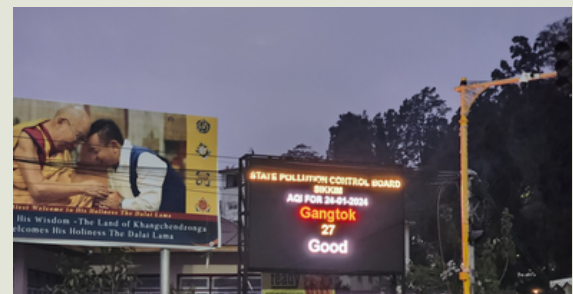
State Pollution Control Board Sikkim has been conducting ambient air quality monitoring under the National Air Monitoring Programme in eight stations in the state. As per the comparative analysis of the data generated for the average air quality index from April 2022 to September 2022, Sikkim State is well within the permissible limits and have been mostly under 'Good' category of AQI health index.

SN	Name of Station	OCT 2023	NOV 2023	DEC 2023	JAN 2024	FEB 24	MAR 2024
1	Rangpo, Pakyong District	55	57	56	54	57	53
2	Singtam, Gangtok District	60	69	70	70	64	61
3	Deorali, Gangtok District	28	43	52	54	68	59
4	Ravangla, Namchi District	23	23	23	21	21	20
5	Namchi, Namchi District	35	35	35	32	32	33
6	Pelling, Gyalshing District	28	31	29	33	36	34
7	Mangan, Mangan District	36	42	33	39	41	42
8	Chungthang, Mangan District	-	33	31	29	31	30



AQI Category Associated Health Impact

Good (0 to 50)	Minimal impact
Satisfactory (51 to 100)	May cause minor breathing discomfort to sensitive people
Moderately Polluted (101 to 200)	May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease, children and older adults
Poor (201 to 300)	May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease
Very Poor (301 to 400)	May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases
Severe (401 to 500)	May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. The health impacts may be experienced even during light physical activity



River Water Quality Data for the Month of February 2023

Monitoring stations and station codes

Station	Type	Sampling date	Ph	Cond.µmhos/Cm	No3-NMg/l	D.OMg/l	B.O.DMg/l	T. Coliform MPN/100ml	Faecal Coliform	TDS Mg/l	TSS Mg/l
1801	R	12-02-2024	7.2	92	1.2	8.3	2.1	53	21	23	21
1802	R	12-02-2024	7.1	104	1.1	8.1	2.0	49	24	25	24
1803	R	08-02-2024	7.1	109	1.4	8.1	1.7	40	21	21	18
1804	R	08-02-2024	7.2	112	1.9	8.1	2.2	61	41	23	21
1805	R	08-02-2024	7.3	114	1.3	8.1	2.1	39	35	22	23
1806	R	08-02-2024	7.1	111	1.2	8.2	2.0	48	29	25	21
1807	R	08-02-2024	7.2	115	2.1	8.1	1.9	53	31	24	22
1808	R	14-02-2024	7.1	121	2.3	8.0	2.0	51	34	21	23
1809	R	14-02-2024	7.1	119	2.2	8.1	2.1	48	32	26	21
2034	R	17-02-2024	7.3	124	2.1	8.2	2.0	45	36	25	19
2035	R	17-02-2024	7.2	116	2.1	8.1	2.0	44	33	24	19
2036	R	17-02-2024	7.1	123	2.3	8.1	2.1	51	31	25	18
2037	R	17-02-2024	7.2	124	2.2	8.0	2.1	35	28	26	23
2038	R	14-02-2024	7.2	127	2.0	8.2	2.1	49	32	23	21
5281	R	19-02-2024	7.2	129	2.1	8.1	2.0	52	28	25	23
5281	R	19-02-2024	7.1	135	2.1	8.2	2.1	53	25	26	20
5283	R	19-02-2024	7.3	112	2.2	8.1	2.2	59	31	25	21
5284	R	19-02-2024	7.1	35	2.0	8.0	2.0	54	27	25	23
5285	R	19-02-2024	7.2	32	2.1	8.1	2.2	51	29	23	19
5286	R	19-02-2024	7.1	29	2.0	8.0	2.1	53	34	21	20
5287	R	19-02-2024	7.2	28	2.2	8.1	2.2	49	38	24	21
5288	R	19-02-2024	7.3	29	2.1	8.2	2.1	53	22	25	20
5289	R	19-02-2024	7.1	31	2.2	8.1	2.0	43	24	24	24
5290	L	21-02-2024	7.2	38	2.0	8.1	2.1	32	18	21	22
5291	L	21-02-2024	7.2	29	2.2	8.0	2.0	29	16	25	25
5553	R	17-02-2024	7.1	46	2.1	8.1	2.1	48	25	24	24
5554	R	17-02-2024	7.2	42	2.0	8.0	2.2	47	29	25	21
5555	R	17-02-2024	7.2	47	2.1	8.0	2.1	53	35	23	23
5556	R	14-02-2024	7.1	46	2.0	8.1	2.0	49	34	25	22
5557	R	14-02-2024	7.2	43	2.2	8.2	2.0	58	36	24	24

SN	Station code	Name of Station	Latitude 0N	Longitude 0E
1.	(1801)	Chungthang	27.60	88.64
2.	(1802)	Dikchu	27.40	88.52
3.	(1803)	Burtuk	27.35	88.61
4.	(1804)	Adampool	27.30	88.58
5.	(1805)	Ranipool	27.29	88.59
6.	(1806)	Singtam - Ranichu	27.22	88.49
7.	(1807)	Singtam - Teesta	27.11	88.45
8.	(1808)	Rangpo	27.17	88.52
9.	(1809)	Melli	27.08	88.45
10.	(2034)	Rangeet river at NHPC dam Site	27.29	88.29
11.	(2035)	Rangeet river at Legship	27.27	88.27
12.	(2036)	Rangeet river at Reshi	27.22	88.30
13.	(2037)	Rangeet river at Jorethang	27.13	88.27
14.	(2038)	Rangeet river at Triveni	27.08	88.41
15.	(5281)	Upstream of Dam site (Gati Infrastructure Private Ltd.) Rangpo river	27o14'18.66 "N	88o42'35.74" E
16.	(5282)	Downstream of Dam site(Gati Infrastructure Private Ltd.)Rangpo River.	27o14'2.74"N	88o42'31.26 "E
17.	(5283)	Upstream of Dam site (Gati Infrastructure Private Ltd.)	27o12'15.47"N	88o42'46.45 "E
18.	(5284)	Downstream of Dam site (Gati Infrastructure Private Ltd.)	27o12'23.87"N	88o41'6.20" E
19.	(5285)	Power house Downstream of (Gati Infrastructure Private Ltd.)	27o12'32.50"N	88o39'55.91 "E
20.	(5286)	Upstream of Rorathang Bazar (above Swiss Garnier)	27o11'50.38"N	88o37'58.24"E
21.	(5287)	Downstream of Rorathang Bridge	27o11'43.99"N	88o36'28.51"E
22.	(5288)	Downstream of Pharma Plant Kumrek	27o10'54.02"N	88o32'25.89" E
23.	(5289)	Downstream of Madhya Bharat Power house	27o10'42.31"N	88o32'0.33" E
24.	(5290)	Menmaitso Lake	27o19'44.15"N	88o50'57.21" E
25.	(5291)	Changu lake	27o22'35.90"N	88o45'56.37" E



**SPCB CONDUCTS INSPECTION OF PHARMA UNITS TO
OBSERVE DAMAGES CAUSED DUE TO FLASHFLOODS**



**HON'BLE NGT HEARING IN THE MATTER OF O.A.
NO. 606 OF 2018**



Disclaimer
Efforts have been made to make the data and information provided in this newsletter as accurate as possible. The use of data and information published by SPCB Sikkim should be duly cited.

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